

LOCATION: OHIO IE (G-22-28-11W) NONA EXEMPT
 PIT TYPE: DHP WASTES: Yes ☒ No ☐

DATE FLOW TO PIT STOPPED: FALL 1992 Danmyer L. Faust
 DEPUTY OIL & GAS INSPECTOR

ACREAGE TYPE: ☒ FEDERAL ☐ JICARILLA ☐ NAVAHO ☐ STATE 1995 ☐ FEE

SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE ± 100' Ranking Score
 Basis: KUTZ WASH APPROX 200 YDS DOWNGRADE FROM LOC. 0

2) Wellhead Protection Area:
 Distance To
 Water Sources: > 1000' Private Domestic Water Sources: > 200'
 Basis: NO FRESH WTR EXTRACTION IN VICINITY 0

3) Distance To Surface Body of Water:
 Basis: KUTZ WASH APPROX 200 YDS NORTH OF LOC. 10
 Total Score: 10

Soil Characteristic

☐ Highly Contaminated/Saturated

☒ Unsaturated Contaminated

RANKING CRITERIA

Depth to Groundwater	Wellhead Protection Area	Distance to Surface Water Body	Score	Rank
	<1000' from water source or < 200' from private domestic water source			
<50 ft	yes	<200' horiz	20	20
<50 - 99	no	200 - 1000' horiz	10	10
>100 ft		>1000' horiz	0	0

GUIDELINE REMEDIATION LEVELS

	Total Ranking Score	>19	10-19	0-9
Benzene (ppm)	10	10	10	10
BTEX (ppm)	50	50	50	50
Field Headpace				
Method for BTEX	100	100	100	100
TPH (ppm) **	100	1,000	5,000	

** Concentration above background

DEFINITION OF CONTAMINATION

Date: 4-29-93

Depth Excavated: NO RECORD

Full Excavation: ☐ Maximum Extent Practicable

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLE RESULTS NOTES" FORM

Groundwater Encountered: Yes ☐ No ☒

If yes, approximate depth: _____

Groundwater Sampling? ☐ Yes ☐ No

Where was gw sample taken? _____

Attach GW Sample Results

NOTES:

REMEDATION PROFILE

Soil Treated Onsite

Date Remediation Completed: 4-29-93

☒ In Situ Bio

☐ w/vapor venting

☐ Landfarmed

☐ Composted

Date: 4-29-92	Description	Amount/Rate	Date: 6-17-92	Description	Amount/Rate
Tilled	TURNED SOIL w/ BACKHOE		TURNED SOIL w/ BACKHOE		
Nutrients	FERTILIZER 28-4-4	20 #	FERTILIZER 28-4-4		10
Moisture					
Bulking Agent					
Organic Material					

Date: 10-15-92	Description	Amount/Rate	Date: 4-23-93	Description	Amount/Rate
Tilled	TURNED SOIL w/ BACKHOE		TURNED SOIL w/ BACKHOE		
Nutrients	FERTILIZER 28-4-4	5 #	FERTILIZER 28-4-4		10
Moisture					
Bulking Agent					
Organic Material					

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLING RESULTS NOTES" FORM

SOIL

SOIL TREATED/HANDLED OFFSITE

TO SITE (ATTACH MANIFEST)

Where Treated:

Type of Land (Fed/Nav/Jic/State/Fee):

Quantity Moved:

Quantity Disposed At Envirotech:

FROM SITE (ATTACH MANIFEST)

To This Location From:

Type of Land (Fed/Nav/Jic/State/Fee):

Quantity Moved:

FINAL

FINAL CLOSURE

BTEX: 6 ppm (From Headspace Analysis)

TPH: 580 ppm (From Lab Results)

Revegetated:

yes ☐

no ☐

Active Well or Facility Pad:

yes ☐

no ☐

NOTES: 4-29-93 - PIT WAS EXCAVATED & TREATED BUT NO RECORD OF

DEPTH EXCAVATED. TREATMENT WAS CONTINUED AS LISTED IN REMEDIATION
PROFILE. 5-19-93 - SAMPLES INDICATED SOIL TPH STILL HIGH BUT BTEX-0.
BELOW REQUIREMENTS. 10-14-93 - MIXED CLEAN SOIL FROM LOCATION AREA TO
DILUTE TPH. FERTILIZED PIT. 10-6-94 - TURNED PIT. 1-5-95 PULLED
TPH & DVA.

Soil Treated Onsite ☐

Date Remediation Started

4-29-93

☒ In Situ Bio☐ w/vapor venting☐ Landfarmed☐ Composted

Date:	10-14-93		Date:	
Description		Amount/Rate	Description	Amount/Rate
Tilled	TURNED SOIL w/ BACKHOE			
Nutrients	FERTILIZER 25-4-4	13 #		
Moisture				
Bulking Agent				
Organic Material				

Date:	10-6-94		Date:	
Description		Amount/Rate	Description	Amount/Rate
Tilled	TURNED PIT			
Nutrients				
Moisture				
Bulking Agent				
Organic Material				

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLING RESULTS NOTES" FORM

SOIL TREATED/HANDLED OFFSITE

TO SITE (ATTACH MANIFEST)

Where Treated:

Type of Land (Fed/Nav/Jic/State/Fee):

Quantity Moved:

Quantity Disposed At Envirotech:

FROM SITE (ATTACH MANIFEST)

To This Location From:

Type of Land (Fed/Nav/Jic/State/Fee):

Quantity Moved:

FINAL CLOSURE

BTEX: _____ ppm (From Headspace Analysis)

TPH: _____ ppm (From Lab Results)

Revegetated:

yes ☐no ☐

Active Well or Facility Pad:

yes ☐no ☐

NOTES: 1-4-95 - PULLED SAMPLE FOR DUA - TPH ANALYSIS, LEVELS
BELOW REQUIREMENTS, PIT IS CLOSED.

80x10

PIT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT OHIO IR TYPE OF PIT: DHP

DESCRIPTION OF SAMPLE	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #	SAMPLE EVENT #
DATE OF SAMPLE	4-29-92	6-19-92	10-15-92	5-19-93	9-30-93	1-4-95
LOCATION OF SAMPLE TYPE OF SAMPLE: (GRAB/COMPOSITE)	DHP	DHP	DHP	DHP	DHP	DHP
DEPTH OF SAMPLE(S)	3-5'	3-5'	3-5'	3-5'	3-5'	0-5'
TEMPERATURE OF SAMPLE	-	-	-	85°	77°	65°
FIELD METHOD RESULTS (PPMS)	own	TLV	TLV	own	own	
TPH VAPORS (EQUIV UNITS)	372	120	400	81	53	12
BENZENE RESPONSE FACTOR	-	-	-	147	147	147
ADJUSTED FOR BENZENE EQUIV UNITS	-	-	-	38	25	6
LAB RESULTS IN PPM: METHOD (418.1 OR MOD 8015)	418.1	418.1	418.1	418.1	418.1	418.1
TPH	8,751	9,023	18,200	9,550	8,790	580
NOTES			TPH HIGH POSSIBLY DUE TO HIGH MOISTURE CONTENT	RAN SOIL TPH	RAN SOIL TPH - STILL HIGH	PULLED SAMPLE FOR TPH ANAL

TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1Conoco Inc.Project: Soil TPH
Matrix: Soil
Condition: Intact/CoolDate Reported: 01/13/95
Date Sampled: 01/04/95
Date Received: 01/04/95
Date Extracted: 01/12/95
Date Analyzed: 01/12/95

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
#10 Ohio 1E (TDP)	2471	ND	20
#11 Ohio 1E (DHP)	2472	580	20

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst:

Anna Schaefer

Reviewed:

Norman